

## Preliminary list of the Lepidoptera recorded from Erek Mountain (Van Province, East Turkey)

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**Abstract:** Preliminary list of the moths recorded from Erek Mountain (Van Province, East Turkey).  
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In this paper, 196 species of 17 families are listed from Erek Mt (Van Province, East Turkey).  
Observational images of some species and genitalia used for identifications are added. Phenological  
and faunistic notes are given to some species. Early stage and larval food-plant of *Polygonia egea*  
are mentioned and illustrated.

**Keywords:** Lepidoptera, fauna, Erek Mountain, Van, Turkey

Within the Project of the Cesa, announced recently in the ResearchGate “[Lepidoptera fauna of Erek Mountain \(Van Province, East Turkey\) \(LEM\)](#)”, first list of the 196 lepidopteran species are given below. The species were collected by the authors from the mountain at irregular intervals. The butterflies of Erek Mountain in İpekyolu district (Van Province) was studied by Kayci (2007). His list has been updated today. The present paper deals with the butterfly observations and the moths recorded by the authors in the past from various places of Erek Mt., as well as some autumnal species collected during the past October (**Fig. 17**).

The authors listed 1179 Lepidopteran species known from Van, as well as the other pterygots of this province (Koçak & Kemal, 2012). Since then, the number of the species of Lepidoptera has reached to 1568, while the species of other pterygota 1477.

Erek (3200m) is a difficult, steep, and rocky mountain, especially from the standpoint of night collecting. Inside of the mountain, there is no road. On the other hand, the ring roads are very far from the mountain mass. By day, up to the elevation 2500m can be studied from the eastern slopes. But the night collecting in the next years will be probably restricted below 2300m. Under these circumstances, the expected number of the species of the Lepidoptera may not be so high. But yet, the fauna of this mountain is apparently under the influence of West Asiatic Elements zoogeographically. Therefore, interesting records are expected.

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**Butterflies****Argynniidae**

The family is represented by 13 species on the mountain.

1. *Aglais urticae* (Linnaeus, 1758)
2. *Argynnis (Fabriciana) niobe* (Linnaeus, 1758)
3. *Argynnis (Pandoriana) pandora* ([Denis & Schiffermüller], 1775)
4. *Brenthis hecate* ([Denis & Schiffermüller], 1775)
5. *Issoria lathonia* (Linnaeus, 1758)
6. *Melitaea (Cinclidia) phoebe* (Goeze, 1779)
7. *Melitaea (Didymaeformis) didyma* (Esper, [1779])
8. *Melitaea (Didymaeformis) perseus* Kollar, [1849]
9. *Melitaea (Didymaeformis) syriaca* Rebel, 1905
10. *Melitaea (s.str.) cinxia* (Linnaeus, 1758)
11. *Polygonia (Comma) egea* (Cramer, [1775]) (Figs. 1-4)
12. *Vanessa (Cynthia) cardui* (Linnaeus, 1758)
13. *Vanessa (s.str.) atalanta* (Linnaeus, 1758)

**Hesperiidae**

The family is represented by 14 species on the mountain.

14. *Carcharodus (Lavatheria) stauderi* Reverdin, 1913
15. *Carcharodus (Reverdinus) orientalis* Reverdin, 1913
16. *Carcharodus (s.str.) alceae* (Esper, [1780]) (Fig. 5)
17. *Eogenes alcides* Herrich-Schäffer, [1852]
18. *Hesperia comma* (Linnaeus, 1758)
19. *Muschampia poggei* (Lederer, 1858)
20. *Muschampia proteides* (F. Wagner, 1929)
21. *Pyrgus melotis* (Duponchel, [1834])
22. *Pyrgus serratulae* (Rambur, [1839])
23. *Pyrgus sidae* (Esper, [1784]) (Fig. 6)
24. *Spialia (Neospialia) orbifer* (Hübner, [1823])
25. *Spialia (s.str.) phlomidis* (Herrich-Schäffer, [1845])
26. *Thymelicus lineolus* (Ochsenheimer, 1808)
27. *Thymelicus sylvestris* (Poda, 1761)

**Lycaenidae**

The family is represented by 40 species on the mountain.

28. *Callophrys danchenkoi* Zhdanko, 1998
29. *Callophrys mystaphia* Miller, [1913] (Kemal, 2009)
30. *Cupido (s.str.) osiris* (Meigen, [1829])
31. *Glaucopsyche (s.str.) alexis* (Poda, 1761)
32. *Lycaena (Alciphronia) alciphron* (Rottemburg, 1775)
33. *Lycaena (Heodes) virgaureae* (Linnaeus, 1758)
34. *Lycaena (Palaeochrysophanus) candens* (Herrich-Schäffer, [1845])
35. *Lycaena (Thersamonia) asabinus* (Gerhard, [1850]) (Fig. 7)
36. *Lycaena (Thersamonia) kefersteinii* (Gerhard, [1850]) (Fig. 8)
37. *Lycaena (Thersamonia) kurdistanica* (Riley, 1921) (Figs. 9, 10)
38. *Lycaena (Thersamonia) thetis* (Klug, 1834)
39. *Lycaena (s.str.) phlaeas* (Linnaeus, 1761) (Fig. 11)
40. *Plebejus (Kretania) carmon* (Gerhard, [1851])
41. *Plebejus (Plebejides) zephyrinus* (Christoph, 1884)
42. *Plebejus (s.str.) argus* (Linnaeus, 1758)
43. *Polyommatus (Albulina (Plebejidea)) loewii* (Zeller, 1847)
44. *Polyommatus (Albulina (Vacciniina)) alcedo* (Christoph, 1877)
45. *Polyommatus (Aricia (Ultraaricia)) crassipunctus* (Christoph, 1893)
46. *Polyommatus (Aricia (s.str.)) agestis* ([Denis & Schiffermüller], 1775)
47. *Polyommatus (s.str. (Agrodiaetus (Antidolus))) kurdistanicus* (Forster, 1961)
48. *Polyommatus (s.str. (Agrodiaetus (Antidolus))) menalcas* (Freyer, [1837])
49. *Polyommatus (s.str. (Agrodiaetus (Phyllisia))) vanensis* (De Lesse, 1957)
50. *Polyommatus (s.str. (Agrodiaetus (Transcaspia))) huberti* (Carbonell, 1993)

51. *Polyommatus* (s.str. (*Agrodiaetus* (*Transcaspicus*))) *surakovi* Dantchenko & Lukhtanov, 1994
52. *Polyommatus* (s.str. (*Agrodiaetus* (*Xerxesia*))) *cyaneus* (Staudinger, 1899)
53. *Polyommatus* (s.str. (*Cyaniris*)) *bellis* (Freyer, [1842])
54. *Polyommatus* (s.str. (*Lysandra*)) *bellargus* (Rottemburg, 1775)
55. *Polyommatus* (s.str. (*Lysandra*)) *corydonius* (Herrich-Schäffer, [1852])
56. *Polyommatus* (s.str. (*Meleageria*)) *daphnis* ([Denis & Schiffermüller], 1775)
57. *Polyommatus* (s.str. (*Plebicula*)) *amandus* (Schneider, 1792)
58. *Polyommatus* (s.str. (*Sublysandra*)) *aedon* (Christoph, 1877)
59. *Polyommatus* (s.str. (*Thersitesia*)) *thersites* (Canterer, [1835])
60. *Polyommatus* (s.str.) *icarus* (Rottemburg, 1775)
61. *Pseudophilotes vicrama* (Moore, 1865)
62. *Rubrapterus bavius* (Eversmann, 1832) (Fig. 12)
63. *Satyrium* (*Armenia*) *ledereri* (Boisduval, 1848)
64. *Satyrium* (*Nordmannia*) *abdominalis* (Gerhard, [1850])
65. *Satyrium* (*Strymonidia*) *spini* (Fabricius, 1787)
66. *Tomares callimachus* (Eversmann, 1848)
67. *Turanana endymion* (Freyer, [1850])

### ***Papilionidae***

The family is represented by 4 species on the mountain.

68. *Archon apollinaris* (Staudinger, [1892])
69. *Papilio* (s.str.) *machaon* Linnaeus, 1758
70. *Parnassius* (*Driopa*) *mnemosyne* (Linnaeus, 1758)
71. *Zerynthia* (*Allanacstria*) *deyrollei* (Oberthür, 1869)

### ***Pieridae***

The family is represented by 16 species on the mountain.

72. *Anthocharis cardamines* (Linnaeus, 1758)
73. *Anthocharis damone* Boisduval, 1836 (Fig. 13)
74. *Anthocharis grueneri* Herrich-Schäffer, [1851] (Fig. 14)
75. *Aporia* (s.str.) *crataegi* (Linnaeus, 1758)
76. *Colias* (*Eriocolias*) *crocea* (Fourcroy, 1785)
77. *Colias* (*Neocolias*) *aurorina* Herrich-Schäffer, [1850]
78. *Gonepteryx* (s.str.) *rhamni* (Linnaeus, 1758)
79. *Leptidea duponcheli* (Staudinger, 1871)
80. *Pieris* (*Artogeia*) *ergane* (Geyer, [1828])
81. *Pieris* (*Artogeia*) *krueperi* Staudinger, 1860
82. *Pieris* (*Artogeia*) *rapae* (Linnaeus, 1758)
83. *Pieris* (s.str.) *brassicae* (Linnaeus, 1758)
84. *Pontia callidice* (Hübner, [1800])
85. *Pontia chloridice* (Hübner, [1813])
86. *Pontia edusa* (Fabricius, 1777)
87. *Zegris eupheme* (Esper, [1804])

### ***Satyridae***

The family is represented by 22 species on the mountain.

88. *Arethusana arethusana* ([Denis & Schiffermüller], 1775)
89. *Chazara* (*Neochazara*) *anthe* (Hoffmannsegg, 1804)
90. *Chazara* (s.str.) *bischoffi* (Herrich-Schäffer, [1846])
91. *Chazara* (s.str.) *briseis* (Linnaeus, 1764)
92. *Coenonympha* (s.str.) *leander* (Fabricius, 1787)
93. *Coenonympha* (s.str.) *pamphilus* (Linnaeus, 1758)
94. *Esperarge* (s.str.) *clymene* (Fabricius, 1787)
95. *Hyponephele* (s.str. (*Ereminephele*)) *naricoides* Gross, 1977
96. *Hyponephele* (s.str. (*Tengrinephele*)) *cadusia* (Lederer, 1869)
97. *Hyponephele* (s.str.) *lupina* (Costa, [1836])
98. *Hyponephele* (s.str.) *lycaon* (Rottemburg, 1775)
99. *Lasiommata maera* (Linnaeus, 1758) (Fig. 15)
100. *Lasiommata megera* (Linnaeus, 1767)

101. *Maniola (Telmessiola) telmessia* (Zeller, 1847)  
 102. *Maniola (s.str.) jurtina* (Linnaeus, 1758)  
 103. *Melanargia (Turcargia) hylata* (Ménétriés, 1832)  
 104. *Melanargia (Turcargia) syriaca* (Oberthür, 1894)  
 105. *Pseudochazara (s.str.) beroe* (Freyer, [1843])  
 106. *Pseudochazara (s.str.) geyeri* (Herrich-Schäffer, [1846])  
 107. *Pseudochazara (s.str.) pelopea* (Klug, 1832)  
 108. *Satyrus (Asatyrus (s.str.)) iranicus* Schwingenschuss, 1939  
 109. *Satyrus (s.str.(s.str.)) favonius* Staudinger, [1892]

## Moths

Mostly nocturnal. Only 87 species are reported here.

### Arctiidae

Only 2 species have been recorded from Ereğ Mt. so far.

110. *Lacydes spectabilis* (Tauscher, 1806).  
 Locally common. Autumnal.  
 111. *Ocnogyna (s.str.) loewii* (Zeller, 1846)  
 Locally common. Autumnal.

### Geometridae

Only 10 species have been recorded from Ereğ Mt. so far.

112. *Aplocera annexata* (Freyer, [1830]) (Fig.16)  
 Common in summer, diurnal & nocturnal.  
 113. *Catarhoe permixtaria* (Guenée, [1858])  
 Common in summer.  
 114. *Docirava mundulata* (Guenée, [1858])  
 Vernal, rare.  
 115. *Idaea rufaria* (Hübner, [1799])  
 Common in summer.  
 116. *Isturgia murinaria* ([Denis & Schiffermüller], 1775)  
 Vernal.  
 117. *Larentia clavaria* Haworth, [1809] (Fig.18)  
 An autumnal species. Uncommon in Van Province. Previously recorded from Çatak (Saklıvadi) (Kemal & Koçak, 2017). They also attached a distributional map for this species.  
 118. *Lythria purpuraria* (Linnaeus, 1758)  
 Uncommon in summer.  
 119. *Rhodomestra sacraria* (Linnaeus, 1767)  
 120. *Scopula immistaria* (Herrich-Schäffer, [1852])  
 121. *Scotopteryx kuznetzovi* (Vardikjan, 1957) (Figs.19, 27-30)  
 Recently, Rajaei & Stünig (2012) reported this species from NW Iran and Turkey (Bitlis: Ahlat, Van: Güzeldere). The early stages, female and exact distribution of this autumnal species in Turkey are still unknown. Separately, it has been planned to research molecular data of this group. This species flies only in October-November in Van Province (Tuşba, İpekyolu and Gürpınar districts).

### Hepialidae

122. *Triodia amasina* (Herrich-Schäffer, [1851])  
 Locally common. Crepuscular & nocturnal. It is usually attracted by the light in the early hours of the night. Autumnal.

### Lasiocampidae

123. *Malacosoma castrensis* (Linnaeus, 1758) (Fig.20)  
 Common in summer.

### Lymantriidae

124. *Polymona lapidicola* (Herrich-Schäffer, [1852])

Common in summer.

### **Noctuidae**

This species number of this family is the highest in Turkey. For the time being, 53 species have been recorded from Ereğ Mt. so far.

#### **125. *Acontia (Emmelia) trabealis* (Scopoli, 1763)**

Locally common.

#### **126. *Agrochola (Alpichola) egorovi* (O. Bang-Haas, 1934) (Figs. 21, 31, 32)**

For the identity of this species Ronkay (1984) is recommended. Autumnal.

#### **127. *Agrotis (Crassagrotis) obesa* (Boisduval, 1829)**

Autumnal.

#### **128. *Agrotis (s.str.) desertorum* Boisduval, 1840**

#### **129. *Ammoconia anonyma* Ronkay & Varga, 1984**

Autumnal.

#### **130. *Amphipyra (s.str.) tragopoginis* (Clerck, 1759)**

Uncommon.

#### **131. *Behounekia freyeri* (Frivaldsky, 1835)**

Vernal, common.

#### **132. *Calymma communimacula* ([Denis & Schiffermüller], 1775)**

#### **133. *Caradrina (Paradrina) wulschlegeli* (Püngeler, 1903)**

#### **134. *Chersotis (s.str.) anatolica* (Draudt, 1936)**

Autumnal.

#### **135. *Chersotis (s.str.) laeta* (Rebel, 1904)**

#### **136. *Cosmia (Calymnia) trapezina* (Linnaeus, 1758)**

#### **137. *Cryphia (Bryoleuca) raptricula* ([Denis & Schiffermüller], 1775)**

#### **138. *Cryphia (Bryophila) maeonis* (Lederer, 1865)**

#### **139. *Cryphia (Bryophila) occidentalis* (Osthelder, 1933)**

#### **140. *Dichagyris (Albocosta) flammata* ([Denis & Schiffermüller], 1775)**

#### **141. *Dichagyris (Yigoga) celsicola* (Bellier, 1858)**

#### **142. *Dichagyris (s.str.) forficula* (Eversmann, 1851)**

#### **143. *Dichagyris (s.str.) amoena* (Staudinger, 1892) (Fig. 22)**

Uncommon but widely distributed in East Turkey. Autumnal.

#### **144. *Drasteria caucasica* (Kolenati, 1846)**

#### **145. *Drasteria saisani* (Staudinger, 1882)**

#### **146. *Earias clorana* (Linnaeus, 1761)**

#### **147. *Episema korsakovi* (Christoph, 1885)**

Uncommon. Autumnal.

#### **148. *Eublemma (Glossodice) polygrammum* (Duponchel, [1842])**

#### **149. *Eublemma (candidana-gr.) ochreolum* (Staudinger, 1900)**

#### **150. *Euchalcia emichi* (Rogenhofer, 1873)**

#### **151. *Euxoa (s.str.) homicida* (Staudinger, 1900)**

#### **152. *Euxoa (s.str.) scurrilis* Draudt, 1937**

#### **153. *Euxoa (s.str.) temera* (Hübner, [1808])**

#### **154. *Hadena (Anepia) syriaca* (Osthelder, 1933)**

#### **155. *Hadena (s.str.) compta* ([Denis & Schiffermüller], 1775)**

#### **156. *Hadena (s.str.) praetermissa* Hacker, 1996**

#### **157. *Hadena (s.str.) purpurea* Hacker, 1996**

#### **158. *Haemerosia renalis* (Hübner, [1813])**

#### **159. *Hecatera rhodocharis* (Brandt, 1938)**

#### **160. *Heptapotamia eustratii* Alpheraky, 1882 (Fig. 23)**

The early stage and larval food-plant were published by the authors (Kemal & Koçak, 2015). Local, and uncommon. Autumnal.

#### **161. *Hoplodrina ambigua* ([Denis & Schiffermüller], 1775)**

#### **162. *Hoplodrina pfeifferi* (Boursin, 1932)**

#### **163. *Leucania loreyi* (Duponchel, 1827)**

#### **164. *Leucania punctosa* (Treitschke, 1825)**

#### **165. *Margelana flavidior* Wagner, 1831 (Fig. 24)**

Autumnal.

#### **166. *Oligia latruncula* ([Denis & Schiffermüller], 1775)**

#### **167. *Opigena polygona* (Fabricius, 1787)**

Locally common, in late summer and autumn.

#### **168. *Phytometra viridaria* (Clerck, 1759)**

169. *Polymixis (s.str.) csorbagabori* L.Ronkay, Varga & Hreblay, 1998 (Figs. 33, 34)  
Autumnal, rare.
170. *Polymixis (s.str.) perchrysa* Hacker & L.Ronkay, 1992 (Figs. 25, 35)  
This species was described from Ağrı Prov., Aydıntepe (Hacker & L.Ronkay, 1992: 488), and recently reported from Çatak, Saklıvadi (Van Prov.) (Kemal & Koçak, 2017). It is an autumnal, and apparently rare species in the region.
171. *Polymixis (s.str.) rosinae* (Bohatsch, 1910) (Figs. 36, 37)  
Boursin (1944) described "*Antitype paradisiaca*" from Armenia, and illustrated the male genitalia. Boursin's name is currently accepted as junior synonym of *rosinae* Bohatsch, 1910. We used the Boursin's photograph of *paradisiaca* for identification of our specimen. All these *Polymixis* species mentioned here are found sympatric. Autumnal.
172. *Pseudenargia deleta* (Osthelder, 1933)  
Autumnal.
173. *Rhytpagla lacernaria* (Hübner, [1813])
174. *Spodoptera exiguum* (Hübner, [1808])
175. *Tyta luctuosa* ([Denis & Schiffermüller], 1775)
176. *Ulochlaena hirta* (Hübner, [1813])  
Locally common. Autumnal.
177. *Xylena exsoleta* (Linnaeus, 1758)  
Vernal, Autumnal.

### ***Pyralidae***

Although this family is well represented in Turkey, the current short list is the preliminary one.

178. *Chrysocrambus linetellus* (Fabricius, 1781)
179. *Eurrhysis cacuminalis* (Eversmann, 1843)  
Diurnal, rare in spring.
180. *Glaucoccharis euchromiella* (Ragonot, 1895)
181. *Loxostege peltaloides* (Rebel, 1932) (Fig. 26)  
Autumnal.
182. *Metacrambus carectellus* (Zeller, 1847)
183. *Psammotis pulveralis* (Hübner, 1796)
184. *Pyrausta purpuralis* (Linnaeus, 1758)
185. *Synaphe consecratalis* (Lederer, 1855)
186. *Synaphe moldavica* (Esper, [1789])
187. *Udea ferrugalis* (Hübner, 1796)
188. *Udea praepetalis* (Lederer, 1869)

### ***Scythridae***

189. *Scythris (scopolella-gr.) flabella* (Mann, 1861)

### ***Sphingidae***

190. *Hemaris (Cochrania) croatica* (Esper, [1779])  
Diurnal.
191. *Hyles hippophaes* (Esper, [1789])

### ***Tortricidae***

192. *Cnephasia (s.str.) grandis* (Osthelder, 1938)
193. *Eugnosta magnificana* (Rebel, 1914)
194. *Fulvoclysis subdolana* (Kennel, 1901)

### ***Zygaenidae***

195. *Zygaena (Agrumenia) carniolica* (Scopoli, 1763) Locally common.
196. *Zygaena (Mesembrynus) tamara* Christoph, 1889 Locally common.

### Selected images on the earlier observations in nature



**Figs. 1, 2** – Caterpillars of *Polygonia egea* on *Parietaria judaica*. From Ereğ Mt 2200m on 2-4 6 2008 M. Kemal (Cesa)



**Figs. 3, 4** – Prepupal stage on 10 6 2008 (left); pupal skin and emerged butterfly on 22 6 2008, M. Kemal (Cesa)



**Figs. 5, 6** - *Carcharodus alceae*, from Sarmaç (Ereğ Mt.) 2100m, on 5 6 2007 (left); *Pyrgus sidae* from Sarmaç (Ereğ Mt.) on 2 6 2011 (right), M. Kemal (Cesa)



**Figs. 7, 8** - *Lycaena asabinus*, a male feeding on the flower of *Senecio* (Asteraceae). Ereğ Mt., Sarmaç 2100m on 2 6 2011 (left); *Lycaena kefersteini* (male), feeding on the same flower, at the same place and date (right), M. Kemal (Cesa)



**Figs. 9, 10** - *Lycaena kurdistanica*, a male feeding on the flower of *Ornithogalum* (Liliaceae). Ereğ Mt., Kevenli 2000m, on 8 6 2011 (left); a female of the same species, at the same place and date (right), M. Kemal (Cesa)



**Figs. 11, 12** - *Lycaena phlaeas*, a feeding butterfly on the flower of *Senecio* (Asteraceae). Ereğ Mt., Sarmaç 2100m on 2 6 2011 (left); a male of *Rubrapterus bavius* ssp. *vanicola*, feeding on the flowers of *Aethionema* (Brassicaceae), Ereğ Mt., Hoşpurak 2000m, on 13 6 2009 (right), M. Kemal (Cesa)



**Figs. 13, 14** - *Anthocharis damone* (male), from Sarmaç (Erek Mt.) 2100m, on 16 6 2007 (left); *Anthocharis grueneri* (female) from Sarmaç (Erek Mt.) on 2 6 2011 (right), M. Kemal (Cesa)

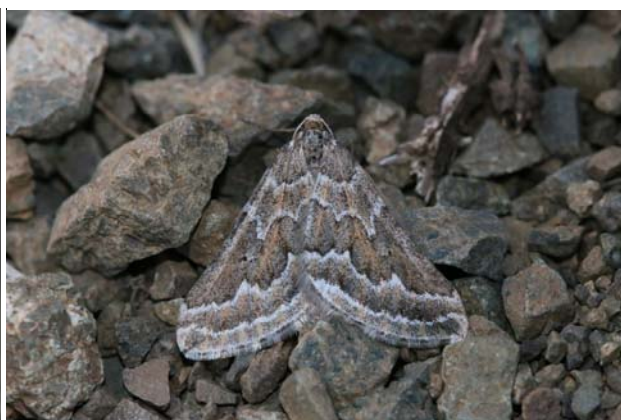


**Figs. 15, 16** - *Lasiommata maera*, at rest. Erek Mt., Hoşpurak 2000m, on 13 6 2009 (left); *Aplocera annexata*, at rest. From same place and date (right), M. Kemal (Cesa)

## Images of recent observations in nature



**Fig. 17** – Habitat of the autumnal moths. Ereğ Mt. 2200m, on 19 October 2017 evening hours, M. Kemal (Cesa)



**Figs. 18, 19** - *Larentia clavaria*, nocturnal. Ereğ Mt., Sarmaç 2150m (65Kl3), on 20 10 2017 (left); *Scotopteryx kuznetzovi*, nocturnal. Ereğ Mt., Sarmaç 2150m (65Kl3), on 20 10 2017 (right), M. Kemal (Cesa)



**Figs. 20, 21** - *Malacosoma castrensis* overwintering eggs cluster. Ereğ Mt. Sarmaç 2150m (65Kl3), on 17 10 2017 (left); *Agrochola egorovi*, nocturnal. Ereğ Mt., Sarmaç 2150m (65Kl3), on 21 10 2017 (right), M. Kemal (Cesa)



**Figs. 22, 23** – *Dichagyris amoena*, nocturnal. Ereğ Mt., Sarmaç 2150m (65Kl3), on 21 10 2017 (left); *Heptapotamia eustratii*, nocturnal. From same place and date (right), M. Kemal (Cesa)



**Figs. 24, 25** – *Margelana flavidior*, nocturnal. Ereğ Mt., Sarmaç 2150m (65Kl3), on 21 10 2017 (left); *Polymixis perchrysa*, nocturnal. From same place and date (right), M. Kemal (Cesa)



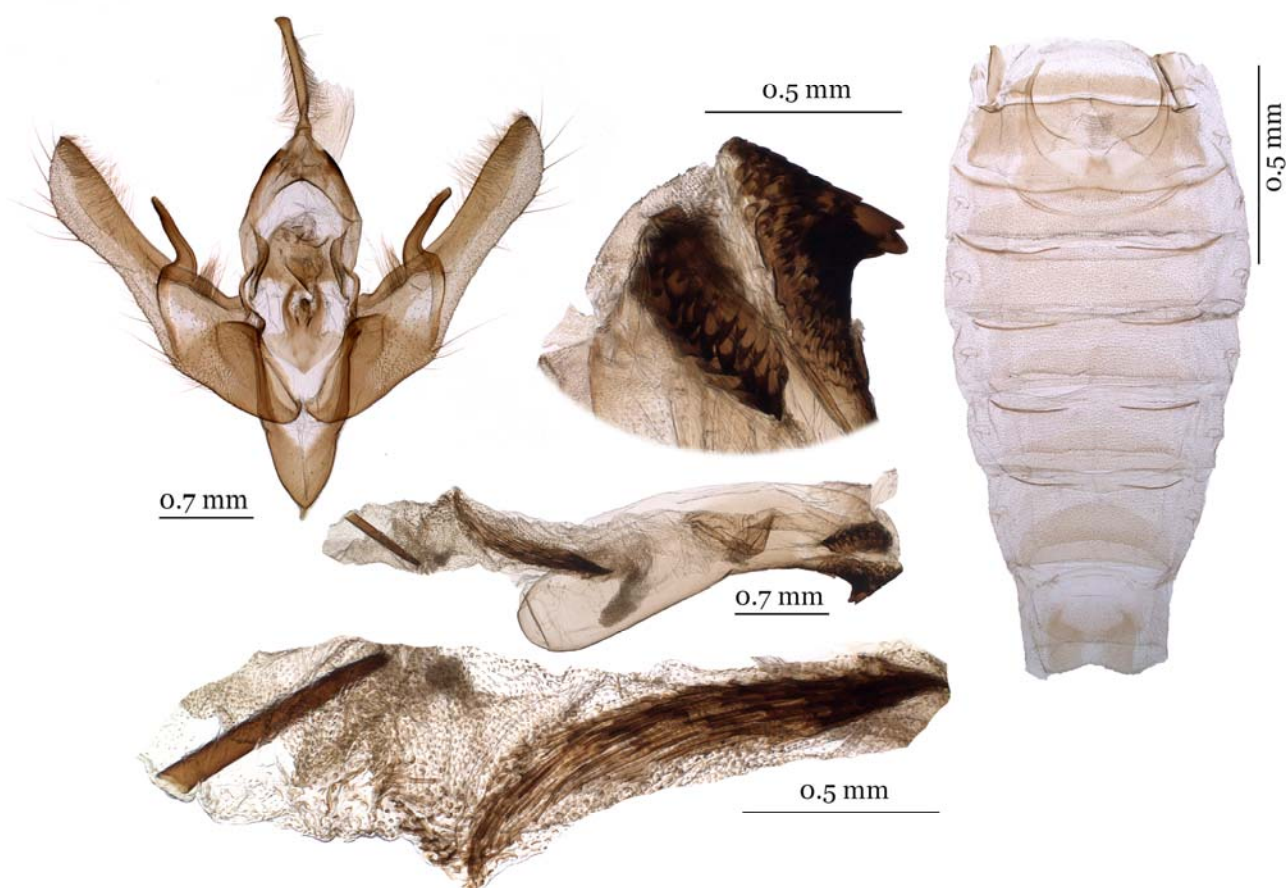
**Fig. 26** – *Loxostege peltaloides*, nocturnal. Ereğ Mt., Sarmaç 2150m (65Kl3), on 21 10 2017, M. Kemal (Cesa)

**Images of the specimens with their genitalia and tympanal organs**

**Figs. 27, 28** – *Scotopteryx kuznetzovi*. Upperside of male (left), and its genitalia. GP2750♂, Ereğ Mt., Sarmaç 2150m (65K13), on 20.10.2017 (right), M. Kemal (Cesa)



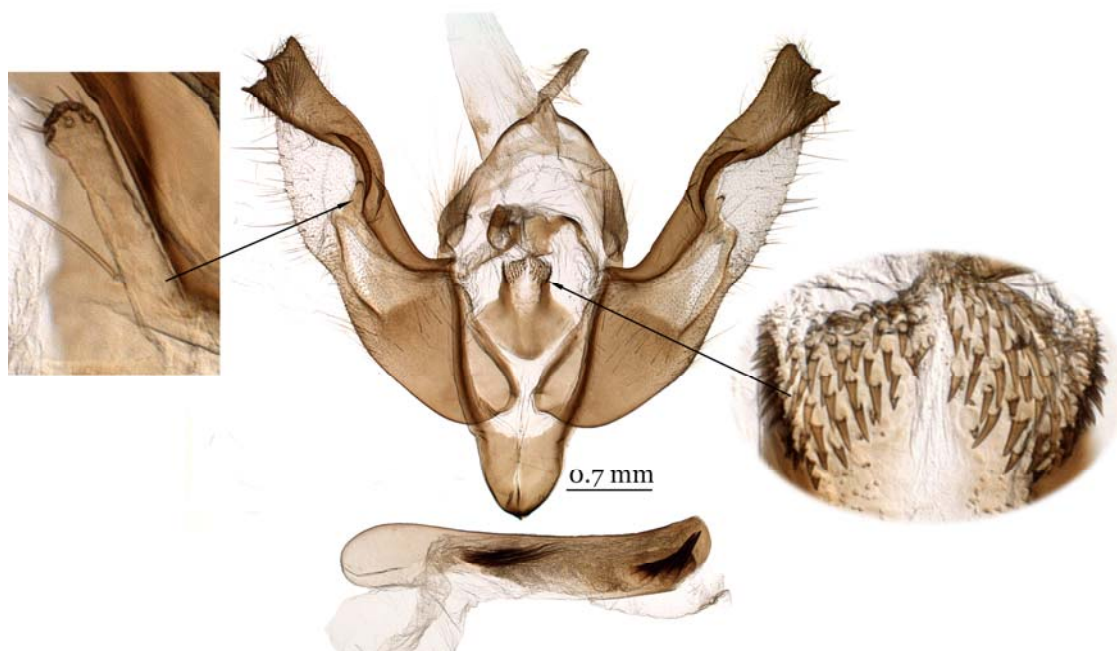
**Figs. 29, 30** - *Scotopteryx kuznetzovi*. Tympanal organ of the male (before and after preparation. GP2750, M. Kemal (Cesa)



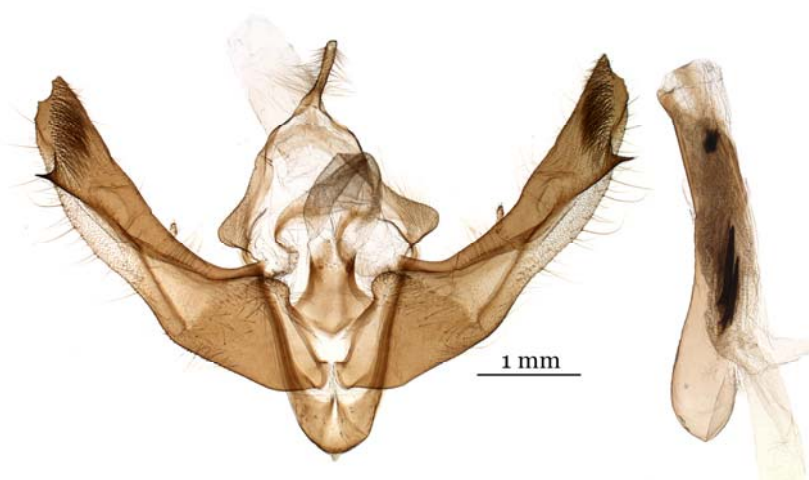
**Figs. 31, 32** – *Agrochola egorovi*. Male genitalia, with removed aedeagus with enlarged parts and abdominal skin. GP2771. Ereğ Mt. Sarmaç 2150m on 20 10 2017, M. Kemal (Cesa)



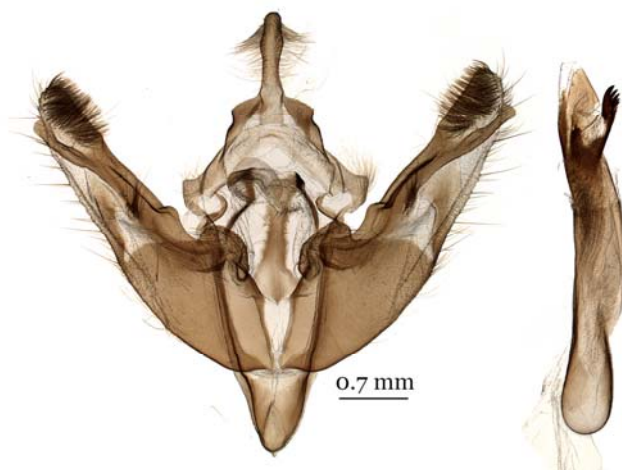
**Fig. 33** - *Polymixis csorbagabori*, Upperside of male. GP2753. Ereğ Mt., Sarmaç 2150m, 21 10 2017, M. Kemal (Cesa)



**Fig. 34** – Male genitalia of *Polymixis csorbagabori*, GP2753. Aedeagus removed, two parts of the genitalia enlarged. Erek Mt. Sarmaç 2150m, M. Kemal (Cesa)



**Fig. 35** – *Polymixis perchrysa*. Male genitalia. GP2756. Erek Mt. Sarmaç 2150m (65Kl3), on 21 10 2017, M. Kemal (Cesa)



**Figs. 36, 37** – *Polymixis rosinae*. Upperside of male (left), and male genitalia. GP2755. Erek Mt., Sarmaç 2150m, 21 10 2017, M. Kemal (Cesa)

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